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# New Science and Technology Journals

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## New Science and Technology Journals

Earl Mounts, Editor

*Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science.* Editors: T. O'Toole and T.V. Inglesby. 1538-7135. Mary Ann Liebert, Inc. v.1, 2003. 4/year. \$324.00. <http://www.liebertpub.com/bsp/default1.asp>

Biodefense is a public health and national security issue of the highest priority. This new journal *Biosecurity and Bioterrorism* covers bioscience, medical and public health response, infrastructure and institutions, international collaborations, agroterror/food safety, and citizen response and responsibility. The journal provides an international forum for debate and exploration on the many issues posed by biological weapons and terrorism. *Biosecurity and Bioterrorism* will also play a significant role in establishing a cohesive and urgently needed vehicle for the establishment of major educational efforts and interaction on issues of research, policy, prevention, and preparedness. The journal will pull together national and international strategy, professional practice, and technical and scientific issues and integrate them in a way to foster communication within various professional communities, including medicine, public health, law, national security, bioscientific research, and vaccine and drug development.

*Bulletin of Earthquake Engineering.* 1570-761X. Editor: A. Ansal. Kluwer. v.1, 2003. 3/year. \$150.00. <http://www.kluweronline.com/issn/1570-761X/current>

*Bulletin of Earthquake Engineering*, the official publication of the European Association for Earthquake Engineering, is devoted to original and interdisciplinary, peer-reviewed papers on theoretical and applied research related to the broad spectrum of earthquake engineering. The journal provides a forum for the European Earthquake Engineering Community to present and discuss matters of major interest, such as important European damaging earthquakes, new developments in earthquake regulations, and national policies applied after the occurrence of major seismic events (for example strengthening of existing buildings, etc.). Topics that fit the broad spectrum of *BEE* include but are not necessarily restricted to: seismic hazard studies and methods for mitigation of earthquake risks; earthquake source mechanism and strong motion characterization and their use for engineering applications; response and analysis of geological and geotechnical site conditions under earthquake excitations; cyclic behavior of soils; response,

analysis and design of earth structures and foundations under seismic conditions; zonation and microzonation methodologies; earthquake scenarios and vulnerability assessments; earthquake codes and improvements; response, analysis and design of all man made structures under seismic conditions; performance based seismic evaluation and design; repair and strengthening; damage assessments; transportation and lifeline systems in seismic environments; seismic response of historical monuments and structures; seismic isolation, passive energy dissipation, active control of vibrations and other modern technologies for energy dissipation; and earthquake risk mitigation policies and methodologies.

*Everyday Food.* Editor: J. Hill. Martha Stewart Living Omnimedia. v.1, 2003. 26/year. \$18.00. <http://www.marthastewart.com/>

*Everyday Food:* It's small enough to fit in your purse, but big enough to simplify your life, with more than 50 fast recipes per issue, from entrées to desserts and side dishes, plus clever kitchen tips and techniques. All our recipes are special, but they use just supermarket ingredients and equipment you already own. You don't need special stores, special skills, special tools—or lots of time.

*Information Visualization.* 1473-8716. Editor: C. Chen. Palgrave Macmillan. v.1, 2002. 4/year. \$347.00. <http://www.palgrave-journals.com/ivs/>

*Information Visualization* is a central forum for all aspects of information visualization and its applications. The journal is essential reading for researchers and practitioners of information visualization and is of interest to computer scientists and data analysts working on related specialties. Articles in the latest issue include: Aesthetics versus functionality, Information visualization for advanced vehicle displays, Cognitive measurements of graph aesthetics, Representing high-dimensional data sets as closed, Sensitivity encoding to support information space navigation: a design guideline, Liver cancer detection system based on the analysis of digitized color images of tissue samples obtained using needle biopsy, and DEViD: a media design and software ergonomics integrating visualization for document retrieval.

*International Journal of Science and Mathematics Education*. 1571-0068. Editor: F. Lin. Kluwer. v.1, 2003, 4/year. \$180.00. <http://www.kluweronline.com/issn/1571-0068/current>

The objective of this journal is to publish original, fully peer-reviewed articles on a variety of topics and research methods in both science and mathematics education. The journal includes articles that address common issues in mathematics and science education and cross-curricular dimensions more widely. Contemporary educators highlight the importance of viewing knowledge as context-oriented and not limited to one domain. This concurs with current curriculum reforms worldwide for interdisciplinary and integrated curricula. Modern educational practice also focuses on the use of new technology in assisting instruction which may be easily implemented into such an integrated curriculum. The journal welcomes studies that explore science and mathematics education from different cultural perspectives.

*International Journal of Web Engineering and Technology (IJWET)* 1476-1289. Editor: L. Uden. Inderscience. v.1, 2003. 4/year. \$435.00. <http://www.inderscience.com/editorialindex.html>

*IJWET* aims to provide an interdisciplinary forum for the exchange of ideas concerning theoretical, technical, practical, social and pedagogical issues. It focuses on the evolution of the software engineering process and dedicated technologies, methods and models for Web applications. Subjects covered include: design methods and models; architectural, design and navigation patterns, and pattern mining; application processes and methodologies; integration with legacy systems; migration of legacy systems to Web environments; performance monitoring and evaluation; Web knowledge management; evaluation and metrics; mobile web services; Web engineering for wireless platforms; user interface design issues; advanced hypermedia functionality; ethical, cultural and societal issues associated with Web engineering and technologies, and their impacts; e-commerce and business; Web and universal accessibility; and Semantic Web.

*Iterations: An Interdisciplinary Journal of Software History*. 1541-843X. Editor: J.R. Yost. <http://www.cbi.umn.edu/iterations/tc.html>

*Iterations* is a new journal published by the Charles Babbage Institute (CBI) to provide an electronic forum for scholarship and other discourse on the history of software. It is launched as a component of CBI's NSF-sponsored software history project, "Building a Future for Software History." Established in 1977, the Charles Babbage Institute (CBI) is a research center and archives at the University of Minnesota dedicated to promoting study of the history of information technology. CBI conducts and fosters

research, preserves relevant documentation, offers graduate fellowships, and sponsors symposia, conferences, and publications. The NSF awarded a grant to CBI in September 1999 to develop, organize, and disseminate resources and knowledge on the history of software. The project has four components: organizing a knowledge network of individuals in the software community, creating a Web-based historical dictionary of software, publishing an online journal of software history, and conducting an oral history initiative to interview pioneering individuals in software from academe and industry.

*Journal of Academic Ethics*. 1570-1727. Editor: D.C. Poff. Kluwer. v.1, 2003. 4/year. \$220.00. <http://www.kluweronline.com/issn/1570-1727/current>

The *Journal of Academic Ethics* is an interdisciplinary, peer reviewed journal devoted to the examination of ethical issues related to all aspects of post-secondary education, primarily within a university context. The journal provides a forum for the publication and discussion of original research on a broad range of ethical considerations in research, teaching, administration and governance. Representative areas of investigation include ethical considerations in: selection of research subjects and research methods; treatment of human and animal subjects; treatment of diversity regarding race, gender, class, ethnicity; referencing and citation behaviour; grant and funding assessments; publication editing, refereeing processes and procedures; conflicts of interest; plagiarism, deception, fraud; and graduate training versus exploitation of graduate students.

*Journal of Archival Organization*. 1533-2748. Editors: R.C. Carter and T.J. Frusciano. Haworth Information Press. v.1, 2002. 4/year. \$120.00. <http://www.haworthpressinc.com/store/product.asp?sku=J201>

The *Journal of Archival Organization* is an international journal encompassing all aspects of the arrangement, description, and provision of access to all forms of archival materials. Included are articles on processing techniques and procedures, preparation of finding aids, and cataloging of archival and manuscript collections in accordance with MARC, AACR2, and other rules, standards, and cataloging conventions. The journal places emphasis on emerging technologies, applications, and standards that range from Encoded Archival Description (EAD) and methods of organizing archival collections for access on the World Wide Web to issues connected with the digitization and display of archival materials. Topics include: management and staffing issues relating to archival organizational functions; specifically, arrangement and description of historical records collections; innovative approaches to methods of intellectual and physical access; retrieval of historical records in information systems; and reviews of projects and procedures, standards, and

issues in organizing archival collections for storage and onsite use and availability through the Internet.

*Journal of Grid Computing*. 1570-7873. Editors: P. Kacsuk and I. Foster. Kluwer. v.1, 2003. 4/year. \$288.00. <http://www.kluweronline.com/issn/1570-7873/current>

Grid computing is an emerging technology that enables large-scale resource sharing and coordinated problem solving within distributed, often loosely coordinated groups—what are sometimes termed “virtual organizations”. By providing scalable, secure, high-performance mechanisms for discovering and negotiating access to remote resources, grid technologies promise to make it possible for scientific collaborations to share resources on an unprecedented scale, and for geographically distributed groups to work together in ways that were previously impossible. Similar technologies are being adopted within industry, where they serve as important building blocks for emerging service provider infrastructures. Even though the advantages of this technology for classes of applications have been acknowledged, research in a variety of disciplines, including not only multiple domains of computer science (networking, middleware, programming, algorithms) but also application disciplines themselves, as well as such areas as sociology and economics, is needed to broaden the applicability and scope of the current body of knowledge.

*Journal of Tree Fruit Production*. 1055-1387. Editor: W.R. Autio. Haworth Information Press. v.1, 2000. 2/year. \$95.00. <http://www.haworthpressinc.com/store/product.asp?sku=J072>

The *Journal of Tree Fruit Production* makes available the results of practical research on growing tree fruit. Covering training, growth regulation, pest management, sustainable production, harvesting, handling, storage, and marketing, the journal aids those in the fruit growing industry to keep up to date with current research. As a result, the journal helps the industry in its ability to change more rapidly, enhancing its profitability and environmental consciousness. The journal disseminates results of current research that are immediately applicable to researchers, educators, consultants, and growers in a useful, legitimate, scientific format. The journal focuses on new and innovative approaches and technologies related to the management and handling of apples, pears, peaches, plums, cherries, and other tree fruit. International in scope, the *Journal of Tree Fruit Production* presents findings on original research, practical topics in the culture of fruit, and lengthier review articles in a professional journal style and format.

*Knowledge Management Research and Practice*. 1477-8238. Editor: J.S. Edwards. Palgrave Macmillan. v.1, 2003. 2/year. \$163.00. <http://www.palgrave-journals.com/kmrp/index.html>

*KMRP* includes peer reviewed articles on all aspects of managing knowledge, organizational learning, intellectual capital and knowledge economics. This will include not just focus on the organizational level, but all levels from that of the individual to that of the nation or profession. This will include both theoretical and practical aspects, and especially the relationship between the two. There will be a particular emphasis on cross-disciplinary approaches, and on the mixing of “hard” (e.g. technological) and “soft” (e.g. cultural or motivational) issues. *KMRP* is the official publication of the OR (Operations Research) Society, which has members in 53 countries and which provides training, conferences, publications and information to those working in operations research.

*Plant Biotechnology Journal*. 1467-7644. Editor: K. Edwards. Blackwell Publishing. v.1, 2003. 6/year. \$488.00. <http://www.blackwellpublishing.com/journal.asp?ref=1467-7644>.

Published in association with the Society for Experimental Biology and the Association of Applied Biologists, the aim of the new *Plant Biotechnology Journal* is to publish substantial, world-class primary research articles in applied plant science, involving applications of plant biotechnology and plant biology across all industrial sectors. Applications include agriculture, horticulture, food and food processing, paper, pulp and timber, pharmaceuticals, medical, phytoremediation, marine applications, non-food uses of plants and industrial crops. With the rapid developments in genomic sequencing and analysis, and availability of new technologies to analyze functional genomics and proteomics, the combined powers of genetics, biochemistry and cell biology are leading to the very rapid production of new information. The journal will not publish improvements to technologies such as transformation efficiencies of particular cultivars and species.

*Sleep and Biological Rhythms*. 1446-9235. 3/year. <http://www.blackwellpublishing.com/journal.asp?ref=1446-9235>

*Sleep and Biological Rhythms* is the official English language journal of the Japanese Society of Sleep Research, and publishes original research articles dealing with sleep and wakefulness, including biological rhythm. Papers in basic science, medicine and social science relating to sleep and/or biological rhythm are included.